

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A computer-based method for organizing digital photos, comprising:

extracting faces from a plurality of digital photos;

cropping said plurality of digital photos to generate images of unknown isolated faces, wherein the images of the unknown isolated faces have not been associated with a particular person folder;

applying a face recognition algorithm to determine similarity of the unknown isolated faces with a reference model in a model folder which contains at least one face image;

displaying the images of unknown isolated faces sorted by the determined similarity; and receiving user input to automatically associate said unknown isolated faces with a particular classification, wherein said classification is generated from a category list including a plurality of folders each containing a sub-folder for an individual member belonging to said particular classification; and

controlling a zoom function based on said classification.

2. (Previously Presented) The invention of claim 1, wherein said steps of applying a recognition algorithm and displaying are repeated as more faces are grouped as belonging to a certain identity.

3. (Canceled)

4. (Previously Presented) The invention of claim 1, wherein isolated faces are displayed in a view that includes an area surrounding the face.

5. (Previously Presented) The invention of claim 1, further comprising annotating image faces based on said classification.

6. (Original) The invention of claim 1, further comprising controlling a photo presentation based on said classification.

7. (Previously Presented) The invention of claim 6, wherein said step of controlling the photo presentation displays a label for an isolated faces based on said classification.

8. (Cancelled)

9. (Original) The invention of claim 6, wherein said photo presentation is a slide presentation.

10. (Previously Presented) The invention of claim 1, wherein said step of displaying the plurality of faces displays the faces in order of similarity to the reference model.

11. (Previously Presented) The invention of claim 1, wherein said user input drags an image of the face into a display area associated with said classification.

12. (Currently Amended) An apparatus for organizing digital photos, comprising:
a face detection and cropping unit for extracting faces of interest from a plurality of digital photos and cropping said plurality of digital photos to generate images of unknown isolated faces, wherein the images of the unknown isolated faces have not been associated with a particular person folder;

a recognition unit for applying a face recognition algorithm to determine similarity of the unknown isolated faces with a reference model in a model folder which contains at least one face image;

a display output unit for outputting a display of the images of the unknown isolated faces sorted by the similarity determined by said recognition unit; and

a user input unit for receiving user input to associate said unknown isolated faces with a particular classification, wherein said classification is generated from a category list including a

plurality of folders each containing a sub-folder for an individual member belonging to said particular classification, wherein said display output controls a zoom function based on said classification.

13. (Previously Presented) The invention of claim 12, wherein said recognition unit repeatedly applies said recognition algorithm and said display output updates said display as more faces are grouped as belonging to a certain identity.

14. (Canceled)

15. (Previously Presented) The invention of claim 12, wherein said display output displays isolated faces in a view that includes an area surrounding the face.

16. (Previously Presented) The invention of claim 12, wherein said apparatus annotates image faces based on said classification.

17. (Original) The invention of claim 12, wherein said output display outputs a photo presentation based on said classification.

18. (Previously Presented) The invention of claim 17, wherein said display output displays a label for an isolated face of interest based on said classification.

19. (Cancelled)

20. (Original) The invention of claim 17, wherein said photo presentation is a slide presentation.

21. (Previously Presented) The invention of claim 12, wherein said display output displays the faces in order of similarity to the reference model.

22. (Previously Presented) The invention of claim 12, wherein said user input drags an image of a face of interest into a display area associated with said classification.

23. (Currently Amended) A computer-based method for organizing digital photos, comprising:

extracting objects of interest from a plurality of digital photos;

cropping said objects of interest ~~plurality of digital photos~~ to generate images of isolated objects of interest, wherein the images of the isolated objects of interest have not been associated with a particular folder;

selecting a model folder which contains at least one image of object of interest;

applying an object recognition algorithm to determine similarity of the isolated object of interest ~~which are generated from the plurality of digital photos~~ with a reference model in the selected model folder;

displaying the images of isolated objects of interest sorted by the determined similarity;

and

receiving user input to select an image as an image containing an object identical to the reference model from the displayed images of isolated objects of interest; and

associating said ~~objects of interest~~ the selected image with the selected model folder a particular classification.

24. (Previously Presented) The computer-based method for organizing digital photos according to claim 23, comprising:

displaying the images of isolated objects of interest arranged as a function of determined similarity together with the reference model in the selected model folder.

25. (Currently Amended) An apparatus for organizing digital photos, comprising:

an object detection and cropping unit ~~for extracting that extracts~~ objects of interest from a plurality of digital photos and crops the objects of interest ~~cropping said plurality of digital~~

~~photos~~ to generate images of isolated objects of interest, wherein the images of the isolated objects of interest have not been associated with a particular folder;

a selection unit which selects a model folder which contains at least one image of a reference ~~image-model~~;

a recognition unit ~~for applying that applies~~ an object recognition algorithm to determine the similarity of isolated objects of interest ~~which are generated from the plurality of digital photos~~ with the reference model in the selected model folder;

a display output unit ~~for outputting that outputs~~ a display of the images of isolated objects of interest sorted by the similarity determined by said recognition unit; and

a unit ~~which associates said objects of interest with a particular classification that receives user input to select an image as an image containing an object identical to the reference model from the displayed images of isolated objects of interest and to associate the selected image with the selected model folder.~~

26. (Previously Presented) The apparatus for organizing digital photos according to claim 25, wherein the display output unit outputs the display of the images of isolated objects of interest arranged as a function of determined similarity together with the reference model in the selected model folder.

27. (Currently Amended) A computer-based method for organizing digital photos, comprising:

~~extracting objects of interest from a plurality of digital photos;~~

~~determining applying an object recognition algorithm to determine similarity of the objects with images containing faces similar to a reference model from images of digital photos, the reference model being an image containing face;~~

~~displaying the reference model and a plurality of objects the determined images containing faces similar to the reference model; based on the determined similarity; and~~

receiving user input to ~~associate the displayed objects with a particular classification~~ select an image as an image containing person identical to the reference model from the displayed images containing faces; and
associating the selected image with the reference model.

28. (Previously Presented) The method of claim 27, wherein the displayed objects are displayed as a series of the objects in similarity.

29. (Previously Presented) The method of claim 27, further comprising cropping said plurality of digital photos to generate images of isolated objects of interest.

30. (Currently Amended) The method of claim 27, wherein the associating including associating the selected image with a particular classification of the reference model, the particular classification is displayed as a form of named label.

31. (Previously Presented) The method of claim 30, wherein the named label is associated with the reference model.

32. (New) The method of claim 23, further comprising controlling a zoom function based on said classification.

33. (New) The apparatus of claim 25, wherein said display output controls a zoom function based on said classification.

34. (New) The method of claim 27, further comprising controlling a zoom function based on said classification.

35. (New) The method of claim 23, wherein said object of interest is a face.

36. (New) The apparatus of claim 25, wherein said object of interest is a face.